

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A method for resolution services of special domain names, comprising steps of:

(1) receiving and ~~databasing~~ storing information related to domain names and keywords ~~if whenever plural~~ at least one contents providers connects to a special domain name resolution server and requests a registration;

(2) linking the ~~plural~~ at least one contents providers ~~in which is registered with the special domain name resolution server is registered~~ to a special domain name service program and a special domain name database containing related domain name information corresponding to the at least one contents provider, wherein the special domain name service program and the special domain name database relate to the special domain name resolution server;

(3) automatically installing the special domain name service program by downloading the special domain name service program and the special domain name database ~~information~~ to a terminal of a connection service user upon the user connecting to ~~the~~ contents of the at least one contents provider; and

(4) transferring to the user's terminal an IP address corresponding to a queried domain name that the user's terminal queried ~~by identifying the domain name and a user's IP address queried~~ to the special domain name server by identifying a domain name and the user's IP address ~~if whenever~~ the service user is connected to the special domain name server based on the special domain name database

information with an ~~the~~ execution of the special name service program installed in step (3).

2. (original) The method as claimed in claim 1, wherein the special domain name server provides at least one of Global Load Balance(GLB) service, Server Load Balance(SLB) service, language-by-country keyword resolution service, and domain name resolution service.

3. (currently amended) The method as claimed in claim 1, wherein the step(2) of linking the special domain name service program and the domain name database information with the plural at least one contents providers is to link by using object tags and corresponding object parameters in the HTML of homepages of the contents providers.

4. (currently amended) The method as claimed in claim 2, wherein the step(2) of linking the special domain name service program and the special domain name database information with the plural at least one contents providers is to link by using object tags and corresponding object parameters in the HTML of homepage of the contents providers.

5. (currently amended) The method as claimed in claim 1, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific ~~CP~~ contents provider on the

internet or executing a special domain name service program for directly connecting to the special domain name server by a DLL process injection method, wherein the special domain name service program and the special domain name database containing domain name information related to the at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2-2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the ~~CP~~ specific contents provider;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(2-4) identifying whether the domain name information exists in a special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step(2-4);

(2-6) connecting to a contents server relating to the domain name resolved in step (2-5); and

(2-7) connecting to a the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (2-4).

6. (currently amended) The method as claimed in claim 2, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific ~~CP~~ contents provider on the

internet or executing a special domain name service program for directly connecting to the special domain name server by a DLL process injection method, wherein the special domain name service program and the special domain name database containing domain name information related to the at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2-2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the ~~CP~~ specific contents provider;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(2-4) identifying whether the domain name information exists in a special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step (2-4);

(2-6) connecting to a contents server relating to the domain name resolved in step (2-5); and

(2-7) connecting to a the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (2-4).

7. (currently amended) The method as claimed in claim 3, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific ~~CP~~ contents provider on the

internet or executing the special domain name service program for directly connecting to a special domain name server by a DLL process injection method, wherein the special domain name service program and the special domain name database containing domain name information related to the at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2-2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the CP specific contents provider;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(2-4) identifying whether the domain name information exists in a special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step (2-4);

(2-6) connecting to a contents server relating to the domain name resolved in step (2-5); and

(2-7) connecting to a the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (2-4).

8. (currently amended) The method as claimed in claim 4, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP contents provider on the internet or executing a special domain name service program for directly connecting to the special domain name server by a DLL process injection method, wherein the special domain name service program and the special domain name database containing domain name information related to the at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2-2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the CP specific contents provider;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(2-4) identifying whether the domain name information exists in a special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step (2-4);

(2-6) connecting to a contents server relating to the domain name resolved in step (2-5); and

(2-7) connecting to a the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (2-4).

9. (original) The method as claimed in claim 1, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

10. (original) The method as claimed in claim 2, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

11. (original) The method as claimed in claim 3, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

12. (original) The method as claimed in claim 4, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

13. (original) The method as claimed in claim 5, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

14. (original) The method as claimed in claim 6, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

15. (original) The method as claimed in claim 7, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

16. (original) The method as claimed in claim 8, wherein the special domain service program in step (3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

17. (currently amended) The method as claimed in claim 1, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the at least one contents providers includes steps of:

(3-1) checking by the at least one contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting ~~the~~ an installation of components in an appropriate version for the system of a user if whenever the components are not installed in step(3-1); and

(3-3) requesting ~~the~~ a re-installation of ~~the~~ components in case that ~~the~~ an existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

18. (currently amended) The method as claimed in claim 2, wherein the step(3) for downloading the special domain name service program and the special

domain name database information to the user's terminal by the at least one contents providers includes steps of:

(3-1) checking by the at least one contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting ~~the~~ an installation of components in an appropriate version for ~~the~~ a system or the user if whenever the components are not installed in step(3-1); and

(3-3) requesting ~~the~~ a re-installation of the components in case that ~~the~~ an existing version is not appropriate by checking whether ~~the~~ an existing version of the installed components are appropriate.

19. (currently amended) The method as claimed in claim 3, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting ~~the~~ an installation of components in an appropriate version for the system if whenever the components are not installed in step(3-1); and

(3-3) requesting ~~the~~ a re-installation of the components in case that ~~the~~ an existing version is not appropriate by checking whether the existing version of ~~the~~ an installed components are appropriate.

20. (currently amended) The method as claimed in claim 5, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting ~~the~~ an installation of components in an appropriate version for the system if the components are not installed in step (3-1); and

(3-3) requesting ~~the~~ a re-installation of the components in case that ~~the~~ an existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

21. (currently amended) The method as claimed in claim 9, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the at least one contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting ~~the~~ an installation of components in an appropriate version for the system if the components are not installed in step (3-1); and

(3-3) requesting ~~the~~ a re-installation of the components in case that the existing version is not appropriate by checking whether the existing version of the installed components are appropriate.

22. (currently amended) A method for resolution services of special domain names, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific ~~CP~~ contents provider on the internet or executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method, wherein the special domain name service program and a special domain name database containing domain name information related to at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the ~~CP~~ specific contents provider;

(3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(4) identifying whether the domain name information exists in a special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step (4);

(6) connecting to a contents server relating to the domain name resolved in step (5); and

(7) connecting to ~~a~~ the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (4).

23. (currently amended) A method for utilizing a computer-readable storage medium, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP contents provider on the internet or executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method, wherein the special domain name service program and a special domain name database containing domain name information related to at least one contents provider are previously downloaded to the subscriber PC upon connection to the specific contents provider;

(2) calling a domain name from the web browser or the other internet desktop application program for ~~the~~ a connection to the CP specific contents provider;

(3) carrying out a socket API interrupt as to information related to the domain name to be sent to a pre-set local DNS server;

(4) identifying whether the domain name information exists in a special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if whenever the domain name information is present as a result of the identification of step (4);

(6) connecting to a contents server relating to the domain name resolved in step (5); and

(7) connecting to a the pre-set local DNS server if whenever the domain name information is absent as a result of the identification of step (4).